Adair County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes levees	, and	-	
	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
B:	<u> </u>		 		 	1
Judson					Very limited Deep to water	11.00
C:						
Judson	'				Very limited Deep to water	11.00
1B:	 		 		 	
Colo			Very limited Depth to		Somewhat limited Slow refill	 0.30
	I I	 	saturated zone 	 	 Cutbanks cave	 0.10
Ely	 Somewhat limited	 	 Somewhat limited	 	 Somewhat limited	
-	Seepage	0.70	Depth to saturated zone		Slow refill	0.30
	 					0.25
3B:	 		 			
Vesser					Somewhat limited	
	Seepage 	10.70	saturated zone			10.30
	 		Piping 	0.11	'	0.10 0.01
Nodaway	 Somewhat limited		 Very limited		 Somewhat limited	
	Seepage	0.70 	Piping 	1.00 	· ±	0.81 0.30
	 	į į	 	į į	'	0.10
24C: Shelby	 	 	 Not limited	 	' Very limited	į
2.10.12.3		0.05			_	11.00
4C2: Shelby	 - Somewhat limited		 Not limited		 Very limited	
энстру 		0.05				11.00
4D:			 		 	
Shelby	Seepage	0.05			Very limited Deep to water	11.00
	Slope	0.01 	 		 	
4D2: Shelby	 Somewhat limited		 Not limited		 Very limited	
-	Seepage Slope	0.05		 	Deep to water	11.00

Adair County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	Embankments, dikes, and levees		ls
			Rating class and limiting features			Value
4E: Shelby	Seepage	 0.05 0.04	'		 Very limited Deep to water	1 1 1 . 00
4E2: Shelby	Seepage	0.05	'	 	 Very limited Deep to water	1 1 1 1 1 1 1 1 1 1
4F2: Shelby	Slope	0.18		 	 Very limited Deep to water	1 1.00
1: Vesser			 Very limited Depth to saturated zone Piping	11.00	Somewhat limited Slow refill Cutbanks cave	0.30
4: Zook	 - Somewhat limited Seepage 	0.05	-	11.00	Deep to water Somewhat limited Slow refill Cutbanks cave	0.01 0.95 0.10
4+: Zook	•		 Very limited Depth to saturated zone Hard to pack	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
9C: Clearfield	'		 Very limited Depth to saturated zone Hard to pack	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.95 0.10
9C2: Clearfield			 - Very limited Depth to saturated zone Hard to pack	11.00	Deep to water Somewhat limited Slow refill Cutbanks cave Deep to water	0.01 0.95 0.10 0.01

Adair County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees		Aquifer-fed excavated ponds	
			Rating class and limiting features			
'6B:			 		 	
Ladoga	•	 0.70	Not limited		Very limited Deep to water	11.00
6C:			 		 	
Ladoga	Somewhat limited Seepage	0.70			Very limited Deep to water	11.00
6C2:						1
Ladoga	Somewhat limited Seepage				Very limited Deep to water	11.00
6D:			 		 	
Ladoga	Seepage	 0.70 0.01	İ	 	Very limited Deep to water 	11.00
6D2:			 		 	
Ladoga		 0.70 0.01	İ		Very limited Deep to water 	11.00
OC:			 		 	İ
Clinton	Somewhat limited Seepage				Very limited Deep to water	11.00
0D2:			 		 	
Clinton		 0.70 0.01		 	Very limited Deep to water 	11.00
0E2:			 Not limited		 	
CIIMCON		0.70	I		Very limited Deep to water 	11.00
3D2: Shelby	 - Somewhat limited		 Not limited		 Very limited	
one to \	Seepage	0.05	Ì		Deep to water	11.00
Adair		0.05	Depth to		 Somewhat limited Slow refill	10.95
	Slope	0.01	saturated zone			 0.10 0.01

Adair County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	Embankments, dikes, and levees		ls
	Rating class and limiting features		Rating class and limiting features 			
93E2: Shelby	Seepage	 0.05 0.04		 	 Very limited Deep to water 	 1.00
Adair	Seepage	0.05	saturated zone	11.00	 Somewhat limited Slow refill Cutbanks cave Deep to water	 0.95 0.10 0.01
33: Colo			. 4	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
33+: Colo		 0.70 	•	11.00	 Somewhat limited Slow refill Cutbanks cave	 0.30 0.10
75C2: Dickinson	· •		 Somewhat limited Seepage		 Very limited Deep to water	 1.00
75D2: Dickinson	· ·		Seepage		 Very limited Deep to water 	11.00
79D: Gara	Seepage	 0.05 0.01	'	 	 Very limited Deep to water 	1 1.00
79D2: Gara	Seepage	 0.05 0.01	'	 	 Very limited Deep to water 	1 1.00
79E2: Gara		 0.05 0.04	'	 	 Very limited Deep to water 	1 1 1 1 1 1 1 1 1 1

Adair County, Iowa

Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
					Value
 	i 	 	 	i I	i I
Slope	0.18		 	Very limited Deep to water 	11.00
					 0.95
 				Cutbanks cave Deep to water	0.10
				•	 0.95
Slope	0.01		į Į	Cutbanks cave	0.10
		•		•	 0.81 0.30 0.10
		 	 	 	1
				Deep to water Slow refill	 0.81 0.30 0.10
 Not.limited	 	 Verv limited	 	 Verv limited	
	İ	Depth to	11.00	-	1.00
 	 			Cutbanks cave Deep to water	0.10
 Somewhat limited Seepage				•	1 10.99
		saturated zone	İ	İ	0.10
	Rating class and limiting features	Rating class and Value limiting features	Rating class and limiting features limiting limiting limiting limiting limiting limitin	Rating class and Value Rating class and Value limiting features limiting fea	Rating class and limiting features Rating class and limiting features Not limited Not limited Slope 0.18 Somewhat limited Seepage 0.05 Depth to Slow refill Slope Somewhat limited Seepage 0.05 Depth to Slow refill Slope Somewhat limited Seepage O.05 Depth to Slow refill Slope Saturated zone Somewhat limited Seepage O.05 Depth to Slow refill Somewhat limited Seepage O.05 Depth to Slow refill Somewhat limited Seepage O.05 Depth to Slow refill Slope O.01 Slow refill Somewhat limited Seepage O.07 Piping O.85 Deep to water Slow refill Cutbanks cave Deep to water Slow refill Cutbanks cave Deep to water Slow refill Cutbanks cave Slow refill Cutbanks cave Slow refill Cutbanks cave Slow refill Cutbanks cave Slow refill Cutbanks cave Slow refill Cutbanks cave Slow refill Seepage O.70 Piping O.85 Deep to water Slow refill Cutbanks cave Slow refill Cutbanks cave Slow refill Cutbanks cave Slow refill Seepage O.70 Piping O.85 Deep to water Slow refill Seepage O.70 Piping O.85 Slow refill Somewhat limited Seepage O.70 Piping O.85 Slow refill Somewhat limited Seepage O.70 Piping O.85 Slow refill Somewhat limited Seepage O.70 Slow refill Saturated zone Slow refill Somewhat limited Seepage O.70 Depth to O.70 Slow refill Somewhat limited Seepage O.70 Depth to O.70 Slow refill Somewhat limited Seepage O.70 Depth to O.70 Slow refill Somewhat limited Seepage O.70 Depth to O.70 Slow refill Somewhat limited Seepage O.70 Depth to O.70 Slow refill Somewhat limited Seepage O.70 Depth to O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.70 Slow refill O.7

Adair County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes, and levees		Aquifer-fed excavated ponds	
			Rating class and limiting features			
222D2:	i !	İ	 	i !		i !
Clarinda		0.01	. 4	11.00	Somewhat limited Slow refill	10.99
	Slope 		•	0.93	Cutbanks cave Deep to water	0.10
269: Humeston	•		 Very limited Depth to saturated zone	1.00 	Slow refill 	0.30
273B: Olmitz	•		 Somewhat limited	 		0.10
273C:	Seepage 	10.70	Piping 	0.01	Deep to water 	11.00
Olmitz			Somewhat limited Piping			11.00
287B: Zook	 Somewhat limited Seepage		. 4	11.00	 Somewhat limited Slow refill	 0.95
	 				Cutbanks cave	0.10
Colo	Somewhat limited Seepage		· <u>-</u>		Somewhat limited Slow refill	10.30
	 		saturated zone 		 Cutbanks cave	0.10
Ely			Depth to	0.43	 Somewhat limited Slow refill	10.30
	 	 	saturated zone Piping 	0.22	 Deep to water Cutbanks cave 	 0.25 0.10
315: Nodaway			 Very limited Piping 	11.00		 0.81 0.30

Adair County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	Rating class and limiting features		Rating class and limiting features 		Rating class and limiting features 	Value
368: Macksburg		0.70	 Somewhat limited Depth to saturated zone 	1 0.43	 Somewhat limited Slow refill Deep to water Cutbanks cave	 0.30 0.25 0.10
368B: Macksburg		 0.70	 Somewhat limited Depth to saturated zone 	 0.43 	 Deep to water	 0.30 0.25
369: Winterset		 0.05	saturated zone	11.00	Cutbanks cave Somewhat limited Slow refill Cutbanks cave	0.10 0.95 0.10
370: Sharpsburg	 Somewhat limited Seepage	1 1 1 1 0.70	 Not limited 		 Very limited Deep to water	1 1 1 1 1 1 1 1 1 1
370B: Sharpsburg		0.70	 Not limited 		 Very limited Deep to water	1 1.00
370C: Sharpsburg		0.70	 Not limited 	 	 Very limited Deep to water	11.00
370C2: Sharpsburg		0.70	 Not limited 	 	 Very limited Deep to water	11.00
370D: Sharpsburg	Seepage	 0.70 0.01	·	 	 Very limited Deep to water 	11.00
370D2: Sharpsburg	Seepage	 0.70 0.01	•	 	 Very limited Deep to water 	 1.00

Adair County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes levees	, and	Aquifer-fed excavated pond	ls
	. 3		Rating class and limiting features			
12G:			 		 	
Sogn	Seepage Depth to bedrock Slope	1.00 1.00 0.64	Thin layer		Very limited Deep to water 	11.00
28B:	İ		 		 	
31y	- Somewhat limited Seepage		Somewhat limited Depth to saturated zone	0.43	Somewhat limited Slow refill	10.30
			Piping	0.22	Deep to water Cutbanks cave	0.25
30:			 		 	
ckmore			. 4	11.00	Somewhat limited Slow refill	10.30
			Piping	0.09	 Cutbanks cave Deep to water	0.10
34D:			 		 	1
Arbor			Piping		 Very limited Deep to water 	11.00
51D2:						
aleb		0.70	Piping	0.46	Somewhat limited Deep to water Slow refill Cutbanks cave	 0.81 0.30 0.10
70B:	I		 		 	
	- Somewhat limited Seepage	0.70			Very limited Deep to water	11.00
70C: Nira	 - Somewhat limited Seepage	 0.70			 Very limited Deep to water	1 1 1 1 1 1 1 1 1 1
70C2:	 - Somewhat limited		 Not limited		 Very limited	
	•	0.70	•		Deep to water	1.00
70D2: Nira	 - Somewhat limited			 	 Very limited	
		0.70 0.01			Deep to water 	1.00

Adair County, Iowa

Map symbol and soil name	Pond reservoir ar	eas	Embankments, dikes, and levees			ls
	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
575C:	i I		 			
Dickinson					Very limited Deep to water	11.00
Sharpsburg		0.70	 Not limited 	 	 Very limited Deep to water	1 1.00
75D2: Dickinson	 Very limited Seepage Slope		 Somewhat limited Seepage 			11.00
Sharpsburg	Somewhat limited Seepage Slope	 0.70 0.01		 	 Very limited Deep to water 	1 1.00
'92D2: Armstrong	 		 Very limited		 Somewhat limited	
AIMSCIONG	Seepage				Slow refill	0.95
	Slope	0.01			Cutbanks cave Deep to water	0.10
22C: Lamoni	 Not limited 		Depth to saturated zone	11.00	 Very limited Slow refill Cutbanks cave Deep to water	 1.00 0.10 0.01
222C2: Lamoni	 Not limited 	 	saturated zone	11.00	 Very limited Slow refill	1 1.00
322D:	 	 	Hard to pack 	0.25		0.10 0.01
Lamoni	Somewhat limited Slope	0.01		11.00	 Very limited Slow refill 	1 1.00
	 	 	Hard to pack 	0.25 	Cutbanks cave Deep to water 	0.10 0.01

Adair County, Iowa

Map symbol and soil name	Pond reservoir ar	reas	Embankments, dikes levees	Embankments, dikes, and levees		ls
	Rating class and limiting features		Rating class and limiting features			
822D2:			 	 	 	
Lamoni	- Somewhat limited Slope		' -	11.00	Very limited Slow refill	11.00
		 			Cutbanks cave Deep to water	0.10
322D3: Lamoni					 Very limited Slow refill	1 1 1 1 1 1 1 1 1 1
			saturated zone Hard to pack 	0.25	 Cutbanks cave Deep to water	 0.10 0.01
370B: Sharpsburg		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 Not limited 	 	 Very limited Deep to water	1 1.00
376B: Ladoga		1 1 1 1 1 1 1 1 1 1	 Not limited 	 	 Very limited Deep to water	1 1 1 1 1 1 1 1 1 1
376C: Ladoga	 - Somewhat limited Seepage	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			 Very limited Deep to water	1 1.00
993D2: Gara	Seepage	 0.05 0.01	•	 	 Very limited Deep to water 	 1.00
Armstrong	•	0.05	· •	11.00	 Somewhat limited Slow refill	1 1 1 0.95
	Slope	0.01	saturated zone		 Cutbanks cave Deep to water	0.10
993E2:						
Gara	Seepage	0.05	İ		Very limited Deep to water 	11.00
Armstrong		0.05	' -		 Somewhat limited Slow refill	10.95
	 Slope 	0.04	•	 	 Cutbanks cave Deep to water	0.10

Adair County, Iowa

Map symbol and soil name	Pond reservoir areas		Embankments, dikes levees	s, and	Aquifer-fed excavated ponds	
	Rating class and limiting features		Rating class and limiting features 		Rating class and limiting features	Value
93F2:	 		 		 	
Gara	Somewhat limited Slope Seepage	 0.18 0.05	Not limited 	 	Very limited Deep to water	11.00
		İ				į
Armstrong	Somewhat limited Seepage	10.05	Very limited Depth to saturated zone	11.00	Somewhat limited Slow refill	10.95
	 Slope 	0.04			 Cutbanks cave Deep to water	0.10
030:	 	 	 		 	I I
Dumps	Not rated 	į Į	Not rated 		Not rated 	į Į
Pits	 Not rated		 Not rated		 Not rated	
1100						
		į			' 	į